BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**3**	**200005**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**90**	**200006**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**96**	**CDS materials for General works**
4	Supply & Providing of 45KN Composite polymer insulators.	No	**83**	**283320**
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**328**	**283008**
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**53**	**CDS materials for General works**
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**26.59518**	**284108**
8	Supply & Providing of Spiral Earth Electrode	No	**121**	**281683**
9	Supply & erection of DP set (2 pole structure kit-GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**5**	**CDS 46**
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**18**	**304212**
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**	**280149**
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**6**	**280013**
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**	**302011**
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**	**278916**
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**17**	**613050**
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**36**	**278911**
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**15**	**CDS materials for General works**
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**	**321438**
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**18**	**281674+600095+607054, CDS 60**
20	Supply & providing of GI wire 8SWG	kg	**50**	**281008**
21	Supply & providing of Guy wire 7/10SWG	kg	**115**	**281110**

22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**59**	**303202, CDS 60**
23	Supply & providing of LT Protection kit	No	**14**	**301107**
24	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**5**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**0**	**289031**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**125**	**288531**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**20**	**285508, CDS 60**
	iv) Spacer for DTC Wiring	No	**20**	**284503**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**	**280800+280511, CDS 60**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**40**	**CDS 39**
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**14**	**302122**
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**14**	**821900**
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**9**	**200005**
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**9**	**280119, CDS materials for General works**
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**9**	**321437**
30	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**0**	
a	Aluminium lead wire 50 sqmm	Mtr	**225**	**289031**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**36**	**288531**
c	P.G Clamps - Rabbit to 50 sq.mm	No	**36**	**285508, CDS 63**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**18**	**280800+280511, CDS 63**
e	Spacers for DTC wiring	No	**72**	**284503**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**9**	**CDS 39**
31	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**27**	**200004**
32	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**64**	**280014, CDS materials for General works**
33	1.1 kV Pin Insulator with GI Pin	No	**147**	**283053, CDS 5**
34	No. 8 Strain Insulator	No	**97**	**283158**
35	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**23**	**CDS materials for General works**
36	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**1**	**CDS 69**
37	PVC Pipe 40 mm Dia	Mtr	**8**	**CDS 69**
38	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	**8**	**CDS 69**

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**3**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**90**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**96**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**53**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**26.59518**
6	Supply & Providing of Spiral Earth Electrode	No	**121**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**5**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**18**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**6**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**3**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**17**
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**36**
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**15**
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**18**
18	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**59**
19	Supply & providing of LT Protection kit	No	**14**
20	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**5**
	i) Al Lead Wire - 95 Sqmm	Mtr	**0**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**125**

	iii) PG Clamp - Rabbit to 95 Sqmm	No	**20**
	iv) Spacer for DTC Wiring	No	**20**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**40**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**14**
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	**9**
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**9**
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**9**
25	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**0**
a	Aluminium lead wire 50 sqmm	Mtr	**225**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**36**
c	P.G Clamps - Rabbit to 50 sq.mm	No	**36**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**18**
e	Spacers for DTC wiring	No	**72**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**9**
26	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**27**
27	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**64**
28	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**23**
29	Guy concreting with Boulders, Mud and Sand	No	**25**
30	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**1**